# SYSTEM AND METHOD FOR EFFECTIVELY PERFORMING A WHITE BALANCE PROCEDURE FOR ELECTRONIC CAMERAS


## ABSTRACT OF THE DISCLOSURE

A system and method for effectively performing a white balance procedure for electronic cameras includes a neutral density diffusion light filter assembly adapted to be attached over the lens of a camera-type device equipped with an electronic device that captures image data using an image sensor device. Alternatively, the diffusion filter could be inserted internally in association with the lens assembly or built into the camera body as an external window associated with an independent image sensor device. The diffusion filter acts as an illuminance integrator of broad light acceptance angle to document light conditions (incident or reflective) that exist at the time an image is captured, thereby enabling a white balance operation at point of capture and production of a computer-generated image with little or no colorcast and requiring minimal (if any) subsequent manual color adjustment.